

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A grinding machine comprising:
a work spindle for rotating a workpiece having an eccentric portion;
a wheel head mounted for advancing/retracting relative to said workpiece;
a grinding wheel carried rotatably by said wheel head and for grinding ~~[[an]]~~ the
eccentric portion of said workpiece; ~~and~~
a grinding fluid supply-nozzle for supplying grinding fluid to a moving grinding point
where said grinding wheel contacts said eccentric portion of said workpiece by discharging
grinding fluid to a position upstream of the moving grinding point, ; wherein said grinding
~~point moves from a plane including axes of said work spindle and said grinding wheel;~~
wherein said grinding fluid supply-nozzle is made from a curve portion, an opening and
therebetween a straight portion, ~~; wherein said grinding fluid supply nozzle spouts said~~
~~grinding fluid to a grinding fluid supply point maintained its position upstream said grinding~~
~~point, even in the case that said grinding wheel has been abraded up;~~ and wherein the angle
between the tangent of said grinding fluid supply point and said grinding fluid spouted from
said grinding fluid supply-nozzle is smaller than a right angle; and
means for advancing/retracting said wheel head relative to said workpiece in
synchronism with movement of said eccentric portion.

Claim 2 (Original): A grinding machine according to Claim 1, wherein the section of
said straight portion of said grinding fluid supply-nozzle forms a rectangle and maintains its
rectangular shape at least 10 millimeters.

Claim 3 (Original): A grinding machine according to Claim 1, wherein said workpiece is a camshaft and said eccentric portion is a cam lobe.

Claim 4 (Original): A grinding machine according to Claim 1, wherein said workpiece is a crankshaft and said eccentric portion is a crankpin portion.

Claim 5 (Original): A grinding machine according to Claim 1, wherein said workpiece is a shaft of a compressor and said eccentric portion is a rotor portion.

Claim 6 (Currently Amended): A grinding machine comprising:
a work spindle for rotating a workpiece having an eccentric portion;
a wheel head mounted for advancing/retracting relative to said workpiece;
a grinding wheel carried rotatably by said wheel head and for grinding ~~[[an]]~~ the
eccentric portion of said workpiece; ~~and~~
a grinding fluid supply-nozzle for supplying grinding fluid to a moving grinding point
where said grinding wheel contacts said eccentric portion of said workpiece by discharging
grinding fluid to a position upstream of the moving grinding point, ; wherein said grinding
~~point moves from a plane including axes of said work spindle and said grinding wheel;~~
wherein said grinding fluid supply-nozzle is made from a curve portion and a taper portion, ;
~~wherein said grinding fluid supply nozzle spouts said grinding fluid to a grinding fluid supply~~
~~point maintained its position upstream said grinding point, even in the case that said grinding~~
~~wheel has been abraded up; and~~
wherein the angle between the tangent of said grinding fluid supply point and said
grinding fluid spouted from said grinding fluid supply-nozzle is smaller than a right angle;
and

means for advancing/retracting said wheel head relative to said workpiece in synchronism with movement of said eccentric portion.

Claim 7 (Original): A grinding machine according to Claim 6, wherein the section of said taper portion of said grinding fluid supply-nozzle forms a rectangle and wherein said taper portion tapers off to its tip at a forty-degree angle or less.

Claim 8 (Original): A grinding machine according to Claim 6, wherein said workpiece is a camshaft and said eccentric portion is a cam lobe.

Claim 9 (Original): A grinding machine according to Claim 6, wherein said workpiece is a crankshaft and said eccentric portion is a crankpin portion.

Claim 10 (Original): A grinding machine according to Claim 6, wherein said workpiece is a shaft of a compressor and said eccentric portion is a rotor portion.

Claims 11-20 (Cancelled).